



agriculture

This program extends NASA Earth science products to the management of land resources, especially to support agricultural yield forecasts, manage invasive species, assess the carbon implications of agricultural activities and biofuels production.



air quality

This program facilitates the application of Earth Science satellite products and models to air quality management and policy activities, particularly issues associated with the implementation of air quality standards, policy, and regulation for environmental, economic, and human welfare.



This program integrates NASA Earth science products into partners' efforts to conserve biodiversity, manage invasive, threatened or endangered species and promote sustainable development. This application emphasizes the use of satellite observations in tandem with models in order to develop improved ecological forecasting capabilities.



natural disasters

The Disaster Management Program promotes increased awareness, knowledge, and adoption of disaster reduction and management practices using integrated Earth observations. The Disaster Management application covers up to 15 different disaster types including floods, wildfires and hurricanes.



public health

The Public Health Program extends the benefits of NASA research, predictive models and technology to partners' decision support systems for public health, medical, and environmental health issues. NASA explores these issues in order to identify and mitigate public health risks for overall improvements to health and safety.

water resources

This program utilizes NASA satellite observations, predictive models and partnerships in order to address global issues related to water availability, forecast and quality. The water resources area focuses on four major themes: streamflow and flood forecasting, water availability, drought and water quality.





national applications

weather

The Weather program utilizes NASA resources to investigate the societal impacts and socioeconomic costs associated with weather, with a focus on aviation. NASA and partnering organizations work to extend NASA Earth science satellite observations and model predictive capabilities to address safety, capacity, security, and environmental issues.

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